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ORM PTO-1390 (Modified)

COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER O THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL FILING DATE

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 6190 PRIORITY DATE CLAIMED

NONE

TITLE OF INVENTION

q

22 June 1999

IN VIVO INSECT MODEL SYSTEM FOR TYPE-2 DIABETES

APPLICANT(S) FOR	DO/EO/US
HAFEN, Ernst	

INTERNATIONAL APPLICATION NO

PCT/IB99/01166

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
- This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 2
- This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include itens (5), (6). 3 (9) and (24) indicated below.
- The US has been elected by the expiration of 19 months from the priority date (Article 31). X 4
- A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
 - is attached hereto (required only if not communicated by the International Bureau). a. 🗆
 - has been communicated by the International Bureau. h 🖾
 - is not required, as the application was filed in the United States Receiving Office (RO/US).
 - ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - is attached hereto. a [7]
 - has been previously submitted under 35 U.S.C. 154(d)(4). b. 🗆
- Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - are attached hereto (required only if not communicated by the International Bureau). a 🗆
 - have been communicated by the International Bureau. b. 🗀
 - have not been made; however, the time limit for making such amendments has NOT expired.
 - d. 🛭 have not been made and will not be made.
- ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
- An English language translation of the annexes to the International Preliminary Examination Report under PCT 10 Article 36 (35 U.S.C. 371 (c)(5)).
- A copy of the International Preliminary Examination Report (PCT/IPEA/409).
- A copy of the International Search Report (PCT/ISA/210). 12

Items 13 to 20 below concern document(s) or information included:

- An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 14
- 15 × A FIRST preliminary amendment.
- A SECOND or SUBSEQUENT preliminary amendment 16
- 17. A substitute specification.
- A change of power of attorney and/or address letter. 18.
- A computer-readable form of the sequence listing in accordance with PCT Rule 13tcr.2 and 35 U.S.C. 1.821 1.825. 19. \boxtimes
- A second copy of the published international application under 35 U.S.C. 154(d)(4). 20.
- A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 21
- Certificate of Mailing by Express Mail 22. \times
- 23. \boxtimes Other items or information

Corrected International Preliminary Examination Report; Sequence Listing in paper form; Sequence Statement pursuant to 37 C.F.R. 1.821-1.825; and Return receipt post card.

20 DEC 2001 531 Rec'd PCI/PT ATTORNEY'S DOCKET NUMBER U.S. APPLICATION NO. (IF KNOWN, SEE INTERNATIONAL APPLICATION NO 27656/38053 PCT/IB99/01166 CALCULATIONS PTO USE ONLY The following fees are submitted:. 24 BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) : Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1040.00 and International Search Report not prepared by the EPO or JPO International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Scarch Report prepared by the EPO or JPO \$890.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$740.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO \$100.00 and all claims satisfied provisions of PCT Article 33(1)-(4) ENTER APPROPRIATE BASIC FEE AMOUNT = \$890.00 □ 30 Surcharge of \$130.00 for furnishing the oath or declaration later than \$0.00 months from the earliest claimed priority date (37 CFR 1.492 (e)). NUMBER FILED RATE CLAIMS NUMBER EXTRA \$252.00 \$18.00 14 - 20 = Total claims \$84.00 \$0.00 0 - 3 = Independent claims \$0.00 Multiple Dependent Claims (check if applicable) TOTAL OF ABOVE CALCULATIONS \$1,142,00 Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are \$0.00 reduced by 1/2. SUBTOTAL \$1,142.00 □ 30 Processing see of \$130.00 for furnishing the English translation later than 20 months from the earliest claimed priority date (37 CFR 1.492 (f)). \$0.00 \$1,142.00 TOTAL NATIONAL FEE = Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). \$0.00 TOTAL FEES ENCLOSED \$1,142,00 Amount to be: refunded 5 S charged A check in the amount of \$1,142.00 to cover the above fees is enclosed. X in the amount of to cover the above fecs. Please charge my Deposit Account No. h A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment X A duplicate copy of this sheet is enclosed. 13-2855 to Deposit Account No. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card d information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. SEND ALL CORRESPONDENCE TO: Jeffrey S. Sharp Customer No.: 04743 MARSHALL, GERSTEIN & BORUN Jeffrey S. Sharp 6300 Sears Tower NAME 233 South Wacker Drive 31.879 Chicago, Illinois 60606

Page 2 of 2

REGISTRATION NUMBER
20 December 2001

United States of America

10/013338

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20 DEC 2001

PATENT APPLICATION Attorney Docket No. 27656/38053

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HAFEN, Ernst)
U.S. National Phase of PCT/IB99/01166 filed 22 June 1999)
Filed: Herewith)
For: IN VIVO INSECT MODEL SYSTEM FOR TYPE-2 DIABETES)
Group Art Unit: Unassigned)
Examiner: Unassigned)
Attorney Docket No. 27656/35053)
)

CERTIFICATION UNDER 37 CFR 1.10

Box PCT Commissioner for Patents Washington, D.C. 20231

I hereby certify the attached items are being deposited with the United States Postal Service on November 26, 2001 in an envelope addressed to Box PCT, Commissioner for Patents, Washington, D.C. 20231 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing No. EK 657 819 788 US:

- Transmittal letter to the United States Designated/Elected
 Office (DO/EO/US) concerning a filing under 35 U.S.C. 371;
 Sequence Listing in both paper and computer readable forms;
- Sequence Statement pursuant to 37 C.F.R. 1.821-1.825;
 International Preliminary Examination Report;
- d. International Preliminary Examination Report
 e. Corrected Preliminary Examination Report;
- f. Preliminary Amendment;
- rrenminary Amendment;
 Return receipt post card; and
- h. A check in the amount of \$1,142.00.

Lichaul Lu

Date: December 20, 2001

PATENT

Attorney Docket No.: 27656/38053

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HAFEN, Ernst)	I hereby certify that this paper is being deposited with the United States Postal Service on December 20, 2001 , in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231 utilizing the "Ex-
U.S. National Phase of PCT/IB99/01166 filed 22 June 1999)	
Filed: Herewith)	press Mail Post Office to Addressee" ser-
For: IN VIVO INSECT MODEL SYSTEM)	vice of the United States Postal Service un-
FOR TYPE-2 DIABETES)	der Mailing Label No. EK 657 819 788 US.
)	
Group Art Unit: Unassigned)	December 20, 2001
Examiner: Unassigned)	
Attorney Docket No. 27656/35053)	Richard Zimmermann
)	
)	
)	

STATEMENT UNDER 37 C.F.R. §§1.821(f)

BOX PCT Commissioner for Patents Washington, DC 20231

Sir:

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted herewith in accordance with 37 C.F.R. §§1.821 and 1.825, are the same.

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN 6300 Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6402

(312) 474-6300

By

Jeffrey S. Sharp

Registration No. 31,879 Attorney for Applicants

December 20, 2001